

1 This listing of claims will replace all prior versions, and listings, of claims
2 in the application.

3
4 **Listing of Claims:**

5
6 Claim 1 (Currently amended): A method comprising:
7 generating a policy digest for a cached policy [[at]] that applies to a client,
8 the policy digest identifying at least one assertion the client is complying with; and
9 including the policy digest in a request by the client to access a resource.

10
11 Claim 2 (Original): The method of claim 1, wherein generating the
12 policy digest includes generating a hash of the cached policy.

13
14 Claim 3 (Original): The method of claim 1, wherein generating the
15 policy digest includes encoding a bit vector identifying selected assertions from the
16 cached policy.

17
18 Claim 4 (Original): The method of claim 1, wherein generating the
19 policy digest includes reading an assertion from the policy, assigning a bit value to
20 the assertion, and writing the bit value to a bit vector.

21
22 Claim 5 (Original): The method of claim 1, wherein generating the
23 policy digest includes generating a hash of the cached policy if the cached policy is
24 normalized.
25

1
2 Claim 6 (Original): The method of claim 1, further comprising:
3 incrementing a counter each time the cached policy is used; and
4 removing the cached policy from a cache at the client when the counter
5 exceeds a limit value.

6
7 Claim 7 (Original): The method of claim 1, further comprising:
8 incrementing a counter for the cached policy when a fault is received at the
9 client in response to using the cached policy; and
10 removing the cached policy from a cache at the client when the counter
11 exceeds a limit value.

12
13 Claim 8 (Original): The method of claim 1, further comprising
14 logging a diagnostic event when a fault is received at the client to identify a system
15 problem.

16
17 Claim 9 (Currently amended): A method comprising:
18 extracting at a host a policy digest identifying a cached policy that applies
19 to a client, the policy digest included in a request to access a resource; and
20 denying access to the resource if the policy digest identifies an invalid
21 policy.

22
23 Claim 10 (Original): The method of claim 9, further comprising
24 issuing a fault for the client if the policy digest identifies an invalid policy.
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1 Claim 11 (Original): The method of claim 9, further comprising
2 decoding the policy digest.

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4 Claim 12 (Original): The method of claim 9, further comprising
5 decoding a bit vector of the cached policy.

6
7 Claim 13 (Original): The method of claim 9, further comprising
8 reading an assertion from the policy digest.

9
10 Claim 14 (Original): The method of claim 9, further comprising
11 reading a row hash of the cached policy.

12
13 Claim 15 (Currently amended): A system comprising:
14 a policy digest identifying at least one cached policy that applies to a client;
15 and
16 a messaging module denying access to a resource if the policy digest
17 identifies an invalid policy for the resource.

18
19 Claim 16 (Original): The system of claim 15, wherein the messaging
20 module extracts the policy digest from a message requesting access to the resource.

21
22 Claim 17 (Original): The system of claim 15, wherein the messaging
23 module decodes the policy digest.

1 Claim 18 (Original): The system of claim 15, wherein the policy
2 digest is a bit vector of a cached policy.

3
4 Claim 19 (Original): The system of claim 15, wherein the policy
5 digest is a row hash of a normalized policy.

6
7 Claim 20 (Original): The system of claim 15, wherein the policy
8 digest identifies at least one selected assertion.

9
10 Claim 21 (Currently amended): A system comprising:
11 a policy digest for a cached policy [[at]] that applies to a client, the policy
12 digest identifying at least one assertion the client is complying with; and
13 a messaging module including the policy digest in a request by the client to
14 access a resource.

15
16 Claim 22 (Original): The system of claim 21, wherein the messaging
17 module encodes the policy digest.

18
19 Claim 23 (Original): The system of claim 21, wherein the policy
20 digest is a bit vector of a cached policy.

21
22 Claim 24 (Original): The system of claim 21, wherein the policy
23 digest is a row hash of a normalized policy.

1 Claim 25 (Original): The system of claim 21, wherein the policy
2 digest identifies at least one assertion selected by the client.
3

4 Claim 26 (Currently amended): A computer program product encoding a
5 computer program for executing on a computer system a computer process, the
6 computer process comprising:

7 generating a policy digest for a cached policy ~~[[at]]~~ that applies to a client,
8 the policy digest identifying at least one assertion the client is complying with; and
9 including the policy digest in a request by the client to access a resource.
10

11 Claim 27 (Original): The computer program product of claim 26
12 wherein the computer process further comprises generating a hash of the cached
13 policy.
14

15 Claim 28 (Original): The computer program product of claim 26
16 wherein the computer process further comprises encoding a bit vector of the
17 cached policy.
18

19 Claim 29 (Original): The computer program product of claim 26
20 wherein the computer process further comprises reading an assertion from the
21 policy, assigning a bit value to the assertion, and writing the bit value to a bit
22 vector.
23
24
25

1 Claim 30 (Original): The computer program product of claim 26
2 wherein the computer process further comprises generating a row hash of the
3 cached policy if the cached policy is normalized.

4
5 Claim 31 (Original): The computer program product of claim 26,
6 wherein the computer process further comprises:

7 incrementing a counter each time the cached policy is used; and
8 removing the cached policy from a cache at the client when the counter
9 exceeds a limit value.

10
11 Claim 32 (Original): The computer program product of claim 26
12 wherein the computer process further comprises:

13 incrementing a counter for the cached policy when a fault is received at the
14 client in response to using the cached policy; and

15 removing the cached policy from a cache at the client when the counter
16 exceeds a limit value.

17
18 Claim 33 (Original): The computer program product of claim 26
19 wherein the computer process further comprises triggering a diagnostic event when
20 a fault is received at the client.

1 Claim 34 (Currently amended): A computer program product encoding a
2 computer program for executing on a computer system a computer process, the
3 computer process comprising:

4 extracting at a host a policy digest identifying a cached policy that applies
5 to a client, the policy digest included in a request to access a resource; and
6 denying access to the resource if the policy digest identifies an invalid
7 policy.

8
9 Claim 35 (Original): The computer program product of claim 34
10 wherein the computer process further comprises decoding the policy digest.

11
12 Claim 36 (Original): The computer program product of claim 34
13 wherein the computer process further comprises decoding a bit vector of the
14 cached policy.

15
16 Claim 37 (Original): The computer program product of claim 34
17 wherein the computer process further comprises reading an assertion from the
18 policy digest.

19
20 Claim 38 (Original): The computer program product of claim 34
21 wherein the computer process further comprises reading a row hash of the cached
22 policy if the cached policy is normalized.